

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-20 (Canceled)

21. (Previously presented) A wireless transmission system comprising:  
a plurality of hearing devices, each hearing device comprising a signal processing unit and an  
electro-acoustic transducer, the signal processing unit being operatively connected to the  
electro-acoustic transducer;  
means for transmitting a plurality of audio signals to the hearing devices, wherein each audio  
signal is transmitted at a predefined carrier frequency;  
each hearing device further comprising means for receiving at least one of the plurality of audio  
signals, said means for receiving at least one of the plurality of audio signals being  
operatively connected to at least one of the signal processing unit and the  
electro-acoustic transducer;  
means for remotely generating and wirelessly transmitting configuration parameters to the  
hearing devices, for configuring the means for receiving at least one of the plurality of  
audio signals;  
each hearing device further comprising means for receiving the configuration parameters, said  
means for receiving the configuration parameters being comprised in said means for  
receiving at least one of the plurality of audio signals; and

each hearing device further comprising means for tuning the means for receiving at least one of the plurality of audio signals to an audio signal according to the configuration parameters, wherein the plurality of audio signals as well as the configuration parameters are transmitted wirelessly via independent transmission channels.

22. (Previously presented) The wireless transmission system as claimed in claim 21, wherein the means for remotely generating and wirelessly transmitting the configuration parameters are provided in at least one of a remote control, a transmitter, a control unit connected to a loop antenna, and a configuration unit.

23. (Previously presented) The wireless transmission system as claimed in claim 21, wherein the means for transmitting a plurality of audio signals consist of a single unit.

24. (Previously presented) The wireless transmission system as claimed in claim 21, wherein the means for transmitting a plurality of audio signals consist of a plurality of units, each being able to transmit one audio signal.

25. (Previously presented) The wireless transmission system as claimed in claim 21, further comprising a transmission unit containing the means for remotely generating and wirelessly transmitting the configuration parameters as well as the means for transmitting the plurality of audio signals.

26. (Previously presented) The wireless transmission system as claimed in claim 21, further comprising a configuration unit containing the means for remotely generating and wirelessly transmitting the configuration parameters, wherein the configuration unit is capable of establishing a bidirectional communication link to the means for receiving the configuration parameters allowing programming of at least one of the hearing devices.

27. (Previously presented) The wireless transmission system as claimed in claim 26, further comprising a computer unit that is operationally connected to the configuration unit.

28. (Previously presented) The wireless transmission system as claimed in claim 21, further comprising a control unit that is, on one side, connected to a loop antenna and, on another side, connected to a input/computing unit.

29. (Previously presented) The wireless transmission system as claimed in claim 28, wherein the input/computing unit is connected via a Universal Standard Bus to the control unit.

30. (Previously presented) The wireless transmission system as claimed in claim 21, wherein at least one of the hearing devices includes at least one hearing aid adapted to be worn by a user.

31. (Previously presented) A wireless transmission system comprising:  
a plurality of hearing devices, each hearing device comprising a signal processing unit and an  
electro-acoustic transducer, the signal processing unit being operatively connected to the  
electro-acoustic transducer;  
means for transmitting a plurality of audio signals to the hearing devices, wherein each audio  
signal is transmitted at a predefined carrier frequency;  
each hearing device further comprising means for receiving at least one of the plurality of audio  
signals, said means for receiving at least one of the plurality of audio signals being  
detachably coupled to the at least one hearing device, and said means for receiving at  
least one of the plurality of audio signals being operatively connected to at least one of  
the signal processing unit and the electro-acoustic transducer;  
means for remotely generating and wirelessly transmitting configuration parameters to the  
hearing devices, for configuring the means for receiving at least one of the plurality of  
audio signals;  
each hearing device further comprising means for receiving the configuration parameters, said  
means for receiving the configuration parameters being comprised in said means for  
receiving at least one of the plurality of audio signals; and  
each hearing device further comprising means for tuning the means for receiving at least one of  
the plurality of audio signals to an audio signal according to the configuration parameters,  
wherein the plurality of audio signals as well as the configuration parameters are transmitted  
wirelessly via independent transmission channels.

32. (Previously presented) The wireless transmission system as claimed in claim 31, wherein the means for remotely generating and wirelessly transmitting the configuration parameters are provided in at least one of a remote control, a transmitter, a control unit connected to a loop antenna, and a configuration unit.

33. (Previously presented) The wireless transmission system as claimed in claim 31, wherein the means for transmitting a plurality of audio signals consist of a single unit.

34. (Previously presented) The wireless transmission system as claimed in claim 31, wherein the means for transmitting a plurality of audio signals consist of a plurality of units, each being able to transmit one audio signal.

35. (Previously presented) The wireless transmission system as claimed in claim 31, further comprising a transmission unit containing the means for remotely generating and wirelessly transmitting the configuration parameters as well as the means for transmitting the plurality of audio signals.

36. (Previously presented) The wireless transmission system as claimed in claim 31, further comprising a configuration unit containing the means for remotely generating and wirelessly transmitting the configuration parameters, wherein the configuration unit is capable of

establishing a bidirectional communication link to the means for receiving the configuration parameters allowing programming of at least one of the hearing devices.

37. (Previously presented) The wireless transmission system as claimed in claim 36, further comprising a computer unit that is operationally connected to the configuration unit.

38. (Previously presented) The wireless transmission system as claimed in claim 31, further comprising a control unit that is, on one side, connected to a loop antenna and, on another side, connected to a input/computing unit.

39. (Previously presented) The wireless transmission system as claimed in claim 38, wherein the input/computing unit is connected via a Universal Standard Bus to the control unit.

40. (Previously presented) The wireless transmission system as claimed in claim 31, wherein at least one of the hearing devices includes at least one hearing aid adapted to be worn by a user.

Claims 41-45 (canceled)